PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

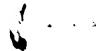
Applicant's or ag	gent's file reference 80157	FOR FURTHER ACTION	See Form PCT/IPEA/416								
International app	olication No.	International filing date (day/month	(year) Priority date (day/month/year)								
PCT/JP2	2004/011885	19.08.2004	28.08.2003								
International Pat	ent Classification (IPC) or nati	onal classification and IPC									
HO5K3/46											
Applicant INTERNATIONAL BUSINESS MACHINES CORPORATION											
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 										
2. This R	EPORT consists of a total of	3 sheet	s, including this cover sheet.								
3. This re	eport is also accompanied by A	NNEXES, comprising:									
a. 🗵	(sent to the applicant and	to the International Bureau) a total o	f 1 sheets, as follows:								
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).										
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.										
Ь. Г	7	Bureau only) a total of (indicate type	and number of electronic carrier(s))								
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	related thereto, in computer	readable form only, as indicated in	, containing a sequence listing and/or tables the Supplemental Box Relating to Sequence Listing (see								
	Section 802 of the Administ	rative Instructions).	-								
4. This re	port contains indications relati	ng to the following items:									
	Box No. I Basis of the	report									
	Box No. II Priority										
	Box No. III Non-establi	shment of opinion with regard to nov	elty, inventive step and industrial applicability								
	Box No. IV Lack of uni	ty of invention									
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement										
	Box No. VI Certain doc	uments cited									
	Box No. VII Certain defe	ects in the international application									
	Box No. VIII Certain obs	ervations on the international applicat	ion								
Date of submiss	ion of the demand	Date of comp	letion of this report								
Name and maili	ng address of the IPEA/JP	Authorized of	ficer								
Facsimile No.		Telephone No).								

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/011885

Box	No. I	Basis of the report						
1.			nal application in the language in which it was filed, unless otherwise					
	indicated under this item. This report is based on translations from the original language into the following							
	which is the language of a translation furnished for the purposes of:							
	in	ternational search (Rule 12.3 and 23.1(b))						
	∐ թւ	ublication of the international application (Rule 12.4						
		sternational preliminary examination (Rule 55.2 and/						
2.	With regard to receiving Offi this report):	o the elements of the international application, this fice in response to an invitation under Article 14 ar	report is based on (replacement sheets which have been furnished to the e referred to in this report as "originally filed" and are not annexed to					
ļ	the inter	rnational application as originally filed/furnished						
	the desc	cription:						
	pages	1-15	as originally filed/furnished					
	pages*		received by this Authority on					
	pages*		received by this Authority on					
	the clair	ms:						
	nos.	1-5	as originally filed/furnished					
1	nos.*							
	-							
	nos.*							
	nos.* _		received by this Authority on					
	the drav	wings:						
	sheets	1-47	as originally filed/furnished					
	sheets*		received by this Authority on					
	sheets*		received by this Authority on					
	a seque	nce listing and/or any related table(s) - see Supplem	ental Box Relating to Sequence Listing.					
3.	The am	endments have resulted in the cancellation of:						
		he description, pages						
	$\overline{\square}$	he claims, nos. 6-9						
		-						
		he sequence listing (specify):						
١.		ny table(s) related to sequence listing (specify):	description and to this general and listed below had not been made since					
4.	they ha	port has been established as it (some of) the amend we been considered to go beyond the disclosure as fi	Iments annexed to this report and listed below had not been made, since led, as indicated in the Supplemental Box (Rule 70.2(c)).					
	tı	he description, pages						
	<u> </u>	he claims, nos.						
	L ti	he drawings, sheets/figs						
	ti	he sequence listing (specify):						
	☐ a	ny table(s) related to sequence listing (specify):						
	If item 4 appi	lies, some or all of those sheets may be marked "sup	rerseded."					



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

1999

International application No.
PCT/JP2004/011885

Box	No. V				ent under Ar anations suj			ith regard to novelty, inventive step or industrial applicability; h statement	
1.	Statement								
	Novelty (N)							YES NO
	Inventive step (IS) Industrial applicability (IA)		Claims	Claims 1-5			YES		
			y (IA)	Claims	1-5			-	
2.	Citations and	l expla	nation	s (Rule	: 70.7)				
	Docume	ent	1:			959 <i>I</i>	Ą	(Hitachi, Ltd.), 30 September	
	Dogumo	n+	2.		6-302	963	7\	(Tokuyama Corporation), 28	
	Docume	:116	۷.		tober			(Tokuyama Corporaciom), 20	
	Docume	ent	3:	JP	9-312	459 7	A	(Kansai Paint Co., Ltd.), 2	
				D€	cembe	: 199	7		
	Docume	ent	4:	JP	11-68	297	A	(Mitsui High-tec Inc.), 9 March	

The inventions set forth in claims 1 to 5 are not disclosed in any of the documents cited in the international search report, and would not be obvious to a person skilled in the art.